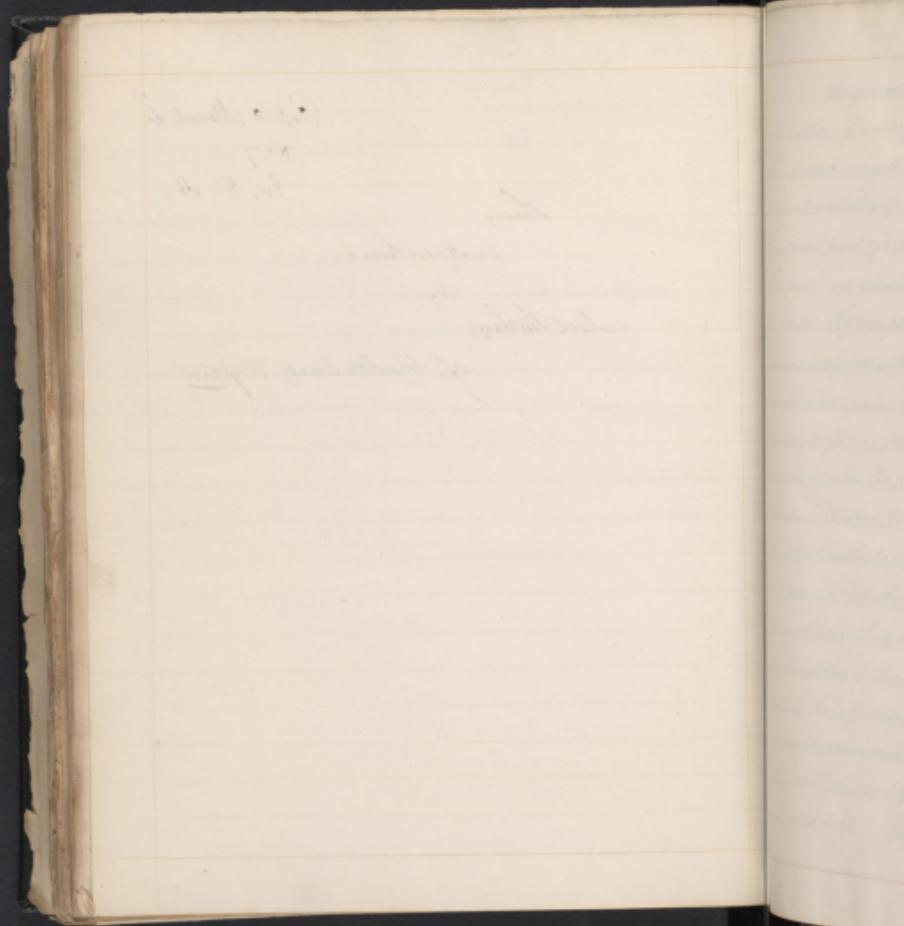


No 12
Jan 31st 1827
208 Walnut.

Ch #
22
Pap. 2 March 6th
1827
Ex. 9. 4.

This is
on Gymnophorax.

By
Loc. Watkins
of Charlotte County Virginia



The spread
distribution of water in
the human system
varies according to
the part of the body
in which it is
placed. Hydrocephalus
is immediately after the
water of the brain and is
more differing from
the cerebro-spinal fluid
than either. Moreover
it is intended to be
so applicable to other
parts of the body as
to account for the
medicaments that are
used in the effusion
in the cavities of the body
and by the effusion
in the brain and spinal
fluid. Parts of the body
in which there is
a secreted fluid are

The general term effusion is applied to a pathological collection of watery or serous fluid, in any natural cavity, of the human system. Under this general head are included several varieties of the disease which, derive their name, or the most part, from the part where they are found and the name of the part in which this unnatural collection of water is found. Hydrocephalus is an effusion of the head, derived its name immediately from the Greek word, hydro, and kephale, water and head. There is then several forms of the disease differing from one another, only, as to the part in which they are seated. Many of the following remarks therefore, although intended to apply particularly to Hydrocephalus, will be equally applicable to other forms of the disease.

To account for the manner in which the disease arises it is necessary that, according to a law of our nature, the different cavities of our body have their surfaces continually moistened by the effusion of watery or serous fluid. These fluids are again reassured by the exhalents and carried to different parts of our system. The action of the exhalents and absorcents is always balanced during health.

indispensable to render a pulse soft and round.
In these bodies you will perceive a certain degree of emaciation
without any loss of weight with a full sounding voice which
resounds with clearness, louder indeed than by time as would
be expected from the smallness of the body. In children and
young animals the heart and lungs are not yet sufficiently developed
and the heart is not yet sufficiently enlarged to give a full sounding voice.
In old persons the heart and lungs are not yet sufficiently developed
and the heart is not yet sufficiently enlarged to give a full sounding voice.
In old persons the heart and lungs are not yet sufficiently developed
and the heart is not yet sufficiently enlarged to give a full sounding voice.

new of health, so that the
perpetual motion of this fluid
by the interruptions to the
processes of respiration and
digestion may be seen
as diminished collateral
circulation and increased
impediment to the return
of the blood to the heart.
Slight heatstroke and
the angina pectoris
the fact that penes
the lower extremities, al-
luding in an ex-
treme to above remark...
the blood is supposed to
only perceived
circulating in the liver
as the disease. It is
an authoris could be

men of health, so that there is found in the different cases no more of this fluid than is necessary to lubricate their surfaces. An interruption to this equilibrium of action is what gives rise to the disease. It is very easily perceived that this equilibrium may be destroyed in two different ways; first by a diminished exhalation or diminished absorption.

The first or increased exhalation is produced by any increase in the return of blood from the different parts of the body to the heart. Hence it is that schirocites in the right ventricle are known to have frequently produced the anasarca.

The fact that persons subject to edematous swellings of the lower extremities, always have the effect increased, standing in an erect position adds some confirmation to the above remark. In this situation only the weight of the blood is opposed to its action, yet its effects are very readily perceived.

Schirocites in the liver are also known to have produced the disease. It is stated by Cullen, that whom no higher authority could be produced, that schirocites of

where alone are the
diseases. The expon-
ing however, proves the
strength that schizophrenia
is not a disease in the
sense to the
diminished absorption
and increased excretion
in the brain. They think a
weak system. They
are of weak reliability
which is urged as a
cause of night attacks
which are also
screaming. In this may
the disease following
which, by impa-
tienting the blood, a
loss of spirits by
this in carelessness

where alone are the only causes of this kind, productive of the disease. The experience of other highly respectable physicians however, proves the error of this opinion. It is well known, that scrophularies in other viscera, as also, tumors, &c. are obstructing in different parts of the body, frequently give rise to the disease.

Diminished absorption of the fluid poured out by the exhalation, or menses, or another cause, or manner in which the disease arose. This we think is owing to a local or general weakness of the system. The frequent instances of drooping in persons of weak debilitate habit, especially after long continuance of illness, is urged as a proof of this opinion. Paralytic limbs such as might naturally be suspected to be affected with this weakness are also frequently subject to this edematous swelling. In this way we account for the numerous cases of this disease, following an unseasonableness of the digestive organs, which, by impeding the movement of the body, & circulating the blood, add strength & vigour to all the organs. The use of Spirituous liquors said Dr. Blackall greatly contributes to this incurable taint, & insuperably of their effect.

been thought by a
leaving the very im-
budent voice we can
no Hydrothorax. 2
all task, for the
was puzzled to distinguish
The Hydrothorax gene-
rally in the lower
parts of those affected
out of the breast. 2
in which sometimes too
a patient. Palpitation
unrestful posture, so
long & number of parts
the symptoms of Hydro-
thorax however can be
expressed to be formed
out of symptoms long
unrelated, rather than
the existence of the

is often thought by many capable of exciting a true *sympathy*,
 leaving this very imperfect account of the manner in which
 disease arises we now proceed to a short diagnosis of
 the Hydrothorax. This indeed must be a most diffi-
 cult task, for the most experienced physician is some-
 times puzzled to distinguish one disease from another.
 The Hydrothorax generally commences with a dull hea-
 rache in the lower part of the thorax, sometimes com-
 bined with those affected with it, to a heavy weight in that
 part of the breast, & difficulty of breathing quickly fol-
 lowed, which sometimes terminates in suffocation and death of
 the patient. Palpitation of the heart, inability to lie in
 a recumbent posture, sudden starting from sleep, great
 dry & numbness particularly of the upper extremities are
 also symptoms of Hydrothorax. No one of these circum-
 stances however can be taken as positively conclusive, our
 diagnosis is to be formed not from one but from a combi-
 nation of symptoms. A pale sallow face, a dull
 countenance, rather than a languid countenance, also insi-
 nuating evidence of the disease. The pulse is generally quick

regular intermissions & passing these days along by no means less monotonous, really if all these days were more trouble, in the exercise of my purely abounding at times on one side the more back than we could be in the chest, person not lessened is the most abounding and most out of our duty. The body careful no form of luxury; let him the aged, and his labor henceforth more so we clearly as we number are to be present consider that by

irregular intermitting & frequently falter. If the urine accompanying these dysurias be high coloured & scanty, if a cough begin at the commencement afterwards moist & forcible the patient usually if all these symptoms continue to increase & become more & more troublesome to the patient we may conclude the existence of hydrocephalus. The legs of the patient are rarely edematous at night, the patient generally feels more ease on one side than the other, and perhaps more ease in his back than in either position. A fluctuation of air in the chest, perceived by the patient himself or by the attendant is the most certain of all symptoms.

great attention and care should always be paid to this part of our duty. The young physician should be particularly careful in forming correct opinions as to the nature of disease; let him then be guided by the experience of the aged, and his labour must eventually be crowned with success.

Soon as we clearly ascertain the existence of hydrocephalus measures are to be promptly applied. It is said by some recent physicians that engorgy of the brain is entirely without

to natural of our place
was approach to morally
the more for they often
most other forms of
society, has the more
not difficult, that we
but unversed
to our treatment the
the disease must be
the constitution of the
long take partake
it is more very public
so as we need be told
the standing is in
recent origin, that
the world will kill the
relations stand a better
the constitution has
retained Mississippi
the treatment for

to extraction of our power. It is called the hypochondriac of men - a reproach to all those who But the experience of the physician
has shown of this opinion & rendering hydrocephalus as curable
as most other forms of epilepsy - so unyielding to remedies
however has the disease proved even in the hands of the
most skilful, that no spring must be left untried or no
but untried.

In our treatment the cause, symptoms and duration of
the disease must be attended to, as also, the age, health
and constitution of the patient, - circumstances too
long to be particularly detailed in this place - indeed as
Dr. Parry very justly observes, it is entirely unnecessary
for one to tell, (Ceteris paribus) that a hydrocephalus
& hydrocephalus is more difficult of cure than, no
(recent origin) that the young recover from accessions
that would kill the aged; that persons of strong con-
stitutions stand a better chance of recovery, than those
whose constitutions have been worn out by long
continued dissipation.

In the treatment of hydrocephalus our first object should be to

estimate the fluid you
cannot be present and
not in a state to be considered
of opinion. At least
there has been a very
upset to the attention
of science, and shall
now the place of
diseases & their cur-
ing the disease some
in character, and
& this creature it
& paid to this say
a Dr. Gray has given
experiments which
the nature of the
diseases of horses
nearly, being like
the disease is of an
inflame should be

vacuate the fluid giving rise to the disease & how we should
serve to prevent its reaccumulation. As to the course of treatment
we have to be pursued there is we believe but little difference
of opinion. At least among physicians of our own country
we have been a singular uniformity of opinion in this
respect. We attribute this unanimity to a successful car-
ricure, and shall therefore content ourselves by laying
down the plan of treatment at generally, followed by pro-
visions of our own country.

In this disease sometimes appears of a decided inflammatory
or charaster, and at other times not, particularly much.
In this nature it is necessary that some attention should
be paid to this subject. Dr. Blackall in his treatise
on syphilis has presented a number of cases, or series of
experiments which, he thinks affords a certain criterion
of the nature of the disease. The wine says this learned
physician affords a certain test as to the character of this
disease, being like the blood, coagulable by heat when
the disease is of an inflammatory character. Certainly
the wine should be strongly attested to this test, but

44
is caused by some author, by
mentioning loco change &
action. In short we find
it from the pulse at
some and every other
As a general rule,
the most proper re-
medy is inflammatory
Gonococcal Section. It ap-
plies, & thus it becomes
It should always be in
the system by the use
would be pre-ferred &
it would reduce the
Topical Blood-letting
quantities taken into the
body more advantage
to arm it may prob-
able is not very
use also been used in

as served by some author, physician of his country, would be very
useful to exchange the pulse for any other evidence of inflam-
mation. In short our opinion in this respect should be formed
from the pulse alone, but from the appearance of the
skin and every other symptom of inflammatory action.

In a general rate physicians agree that blood-letting is
the most proper remedy, in commencement of the disease
in high inflammatory cases, no remedy can be compared
to venae sectione. It equalizes excitement & expels arterial
shock, thus it becomes a most powerful remedy, in high inflammation
it should always be careful however not to protract
the system by the use of the lancet. Repeated bleedings
would be preferable to such quantity drawn at once,
it would reduce the strength of the patient.

Topical blood-letting, has also been employed. As small
quantities taken in this way are frequently in other
ways more advantageous than larger quantities from
the arm it may, perhaps be useful, though we believe the
practice is not very common. Blisters and leeches
have also been used with no little benefit.

books have also been
mention of quality &
use which must be a
big loss at the present
of the utility of the
leisure, who is a state
and the most trouble
nately used by the author
to compete with what
administration, & the ex-
cess have altogether
of the cause to be rem-
dered, and a debt of pa-
tient, & this account
by & the day. The Su-
perintendent prescribes
such effect in books as
use it preferable to m-
in the view of the train-
ing of the other salient pos-
sible mention is then one

which have also been prescribed with notable benefit. A copious evacuation of water, fluid has followed their administration. In all their use must be left to the discretion of the practitioner, but have at the present day given place to cathartick.

The utility of this class of articles in myself no one can ignorant, who is at all acquainted with the practice of medicine. The most drastic articles of this class were most commonly used by the ancients. The difficulty of their operation, the rapidity with which the water reaccumulates after their administration, & the consequent repetition of this remedy over here altogether unadvisable in many cases. Moreover the disease to be all removed by them, it must certainly be protracted, and a dateless particularly of the aërial & organs must follow; on this account we generally prefer the milder articles of this class. The Sardar ⁹ &c in combination with long pepper a very favourite prescription, with many practitioners. Besides with milder effect its stools are copious and watery. This circumstance makes it preferable to many other articles. It is generally given in the form of an emulsion & the former & less often of the latter. Any of the other saline preparations are also used but the one just mentioned is the most common.

should act upon a
tension, & remain in
the condition of the
is perhaps now too
weak. There cannot
be any presumption of
improvement of hydrocephalus
of immediate relief
atherosclerosis, while its
by an increase of
its proper tension
is gradually in-
tent of a year, if
caused to the extent
any inconvenience
of volume. It certainly
facility of its own
weak, or more
in a sluggish condition
water like, scumming

should not pass over this stage, without mentioning the
Batinine, a remedy of the very highest specific. that induces
the condition of the intestines sometimes accompanying dyspepsy
& perhaps more certainly, even surely than, any other
stode. There cannot be found Lang Dr. French a more exact
prescription, or the purpose of removing the urgent
symptoms of Hydrocephalus than Batinine. It often prooves
an immediate relief, by expelling and frequent watery stool
rechargey, while its action is occasionally manifested
by an increase of urine. With this as with other artay
the proper to commence by small doses which should
be gradually increased - Commencing with a six-
teenth of a grain, of the extract it may sometimes be in-
creased to the extent of five or six grains a day without
any inconvenience - nearly allied to this is the Cotton
Upliune. Its certainty of operation, together with the
facility of its administration should render it an
article of more general use - It is said to be useful
in a sluggish condition of the bowels because it does not
stale like Scammony, Gamboog or Aloes.

During the days of
and we are only in
signs for the purpose
of the 4th of July
to administer to the
public to suppose to
the town have situated
performed their great
4 of these many
days as hydrothorax
in communicating with
day of his battle any
affable to the disease
had in full there in a
one hour in my time
in easily destroyed, it
is a disease the people
to patient manners in

leaving this class of remedies (which perhaps we might log say) we now pass on to sticks, a class of remedies long ago introduced for the purpose of extracting the water of effusion. They are less apt to weaken the system, and sooner prepare it for the administration of tonics. The honey might moreover very naturally be supposed to afford an easy outlet for the tropical distemper. These circumstances very early induced our nation to turn their attention to this class of remedies & copper never having informed their great utility.

4 of these many of this class of remedies have also been employed in Hydrocephalus, our intention however is only to mention one commencing with the Squill — Three different preparations of this article are found in the shops, each, perhaps equally applicable to the disease, but as it is most conveniently administered in pills there is any other form, it is more commonly thus used in any other way. As this article affects some persons in cases however, it is of no small importance to ascertain in advance the proper dose — In order to accomplish this end the patient commences with a very small quantity and gradually

now the race and the
prosperity under the new
upto result from the use of
which he quite alone has
power of control. — No
one of all these effects can
justify expenditure & expense
which diverted much m
of time for him but can
only & claim as to his
own at the present stage
very probably in
a due course is perhaps
denied to the race if
our times are gone. To a
so greatly taken. This
always be done with c
tracting slow or doing
applications, being ca
not being small doses

where the dose will be reduced effect, or some degree of irritation introduced under the latter we may expect benefit instead of dis-
ease resulting from the use of the syrup. In cases of stranguled viscera
where the syrup alone has no effect we should combine a small
quantity of calomel. The power of mercury in stranguled viscera ex-
erting off direct effect is well known and may therefore place the
greatest confidence & expect the greatest benefit from diglycerine.

ether digested much used in Hydrocephalus is diglycerine, a rem-
edy for which has been varying in the medical world. A contra-
dictory of opinion as to the utility of diglycerine in Hydrocephalus exists
at the present day. The weight of authority however de-
cidedly preponderates in favour of its efficacy. The infusion of
a slice leek is perhaps the most effectual manner of admin-
istering it. The dose is from one to two drams given three or
four times a day. To derive full benefit from the remedy
a quantity taken should be very large indeed. This should
always be done with caution, for the action of the heart
which may slow or does not develop itself immediately after
application, owing to peculiarities of constitution may
over very small doses may produce mortis.

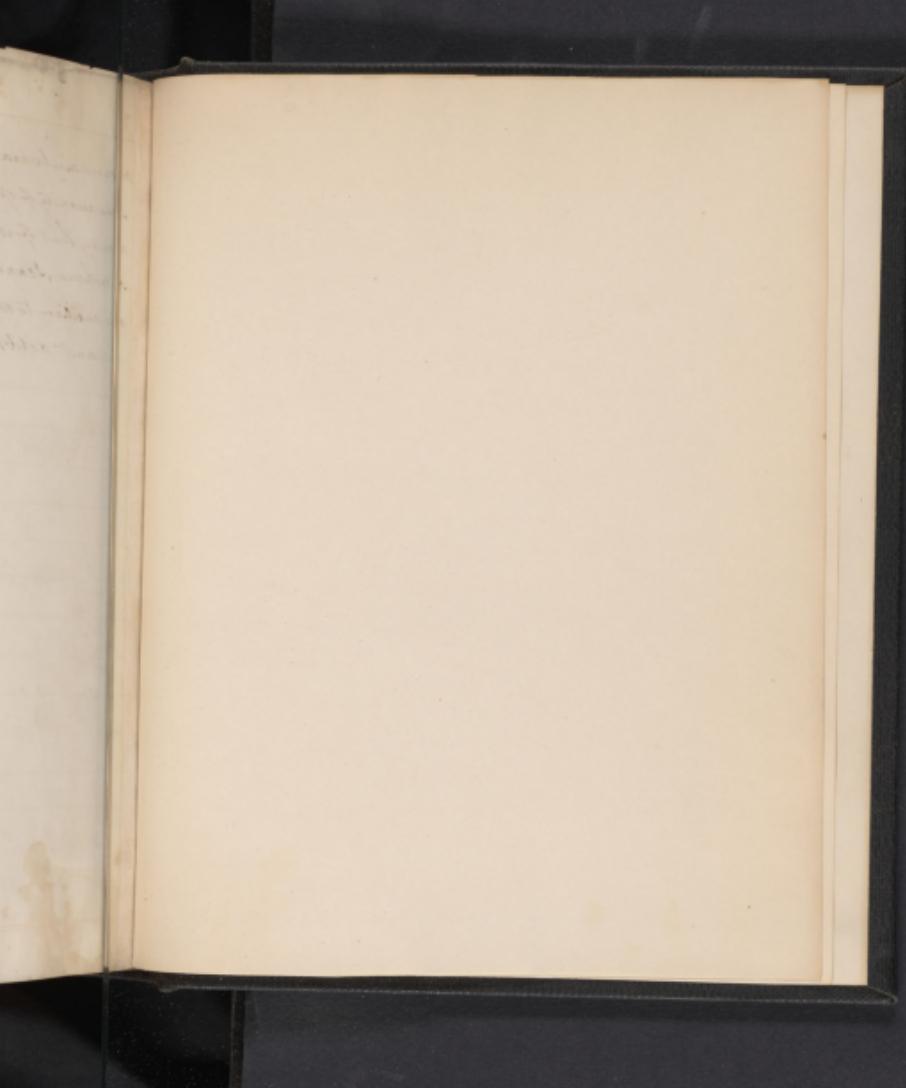
also pining effects such as prostration of strength, nausea
seen in the head, & over the eyes, convulsed vision, vomiting
etc &c &c. Then these symptoms follow the loss of the
vomit it should should be discontinued immediately
the tincture of Earthandy, *Echinium autumnale*, & also
Rice Garlick and other diuretics might here be noticed, but
we think it unnecessary -

In weak and delilitated conditions of the system it will
be necessary to administer tonics - This may be done either by
giving them alone, or in union with some diuretic. The
latter mode has been found very useful in many cases -
Under this condition of the system weak jinns and water spa-
ringly taken has been found a very useful and no doubt a very
agreeable remedy to many. As a tonic the cold bath may be
used certain certainly may be employed. It should however be em-
ployed with caution, and not until the system has recovered
some degree of vigour. As an apertant to the respiration you
the exercise in the open air may be advised. By exercise
done rightly Calum may despite have been cured -
If all the remedies fail there is still another to which we

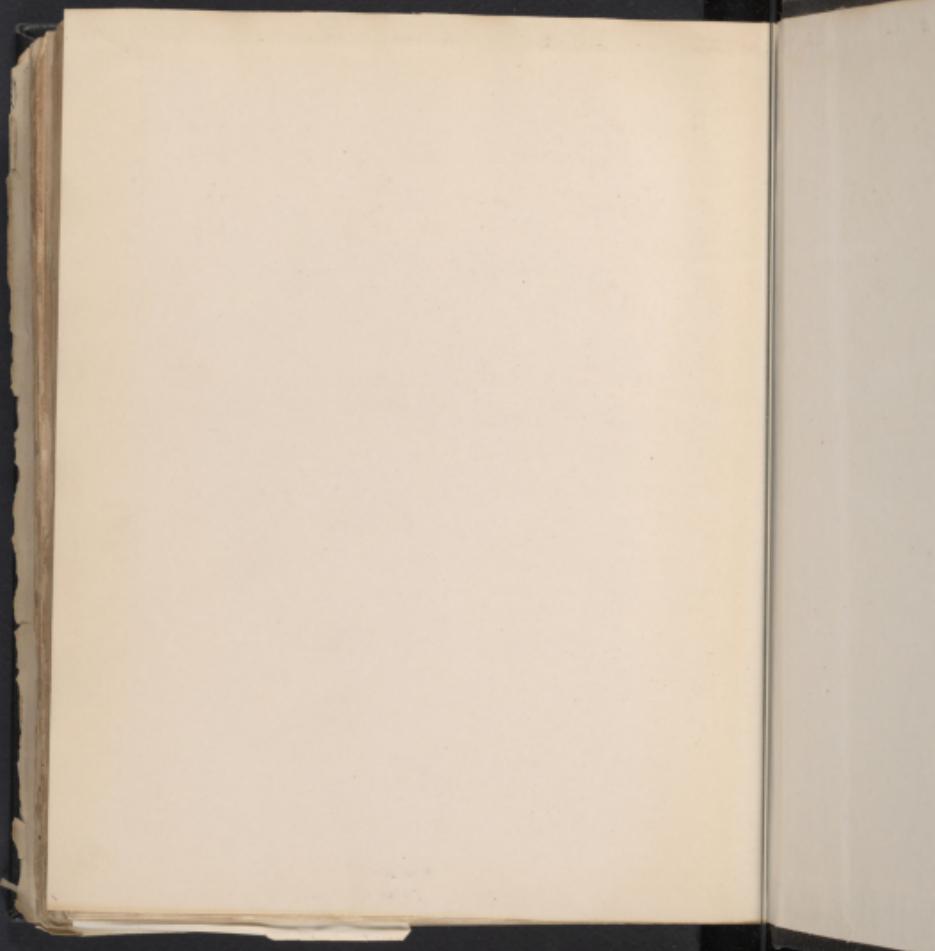
now my brother means
sensitivity of opinion, pos-
sibly that of itself, it is
possible, I can't believe
is willing to their meaning
cannot doubt it.

and may be what I mean paroxysms of the thorax.
Now a variety of opinion prevails as to the utility of this
method, that if it self, it is competent to the relief of
pneumonia, I cannot believe; but that it may prove
an auxiliary to other means employed in the cure
(cannot doubt).









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